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10/511098

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

42

the application of

Docket No: Q83564

Akira IDENO, et al.

Appln. No.: 10/511,098

Group Art Unit: 1646

Confirmation No.: 9139

Examiner: Not yet assigned

Filed: October 07, 2004

For: EXPRESSION VECTOR, HOST, FUSED PROTEIN, PROCESS FOR PRODUCING
FUSED PROTEIN AND PROCESS FOR PRODUCING PROTEIN

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §§ 1.97 and 1.98

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

One copy of each of the listed documents is submitted herewith.

Also for the Examiners further convenience, copies of the followings documents previously cited in the Information Disclosure Statement filed October 14, 2004 are submitted herewith:

JP	2002-306182	A	10/22/2002	TOYOTA CENTRAL RESEARCH AND DEVELOPMENT LABORATORIES, INC.
JP	2002-262883	A	09/17/2002	SEKISUI CHEMICAL CO., LTD.
WO	00/075346	A1	12/14/2000	MEDICAL RESEARCH COUNCIL

INFORMATION DISCLOSURE STATEMENT
U.S. Appl. No.: 10/511,098

Ideno A. et al., The 28.3 kDa FK506 binding protein from a thermophilic archaeum, <i>Methanobacterium thermoautotrophicum</i> , protects the denaturation of proteins in vitro, <i>Eur. J. biochem.</i> , 2000, Vol. 267 (11), pages 3139 to 3149
Behrens S. et al., The SurA periplasmic PPIase lacking its parvulin domains functions in vivo and has chaperone activity <i>EMBO J.</i> , 2001, Vol. 20 (1-2), pages 285 to 294
MARUYAMA T. et al., Archaeal peptidyl prolyl cistrans isomerases (PPIases), <i>Front Biosci.</i> , 2000, Vol. 5, p. D821-836
Huang GC. Et al., Assisted folding of D-glyceraldehyde-3-phosphate dehydrogenase by trigger factor, <i>protein sci.</i> , 2000, Vol. 9 (6), pages 1254 to 1261
Zarnt T. et al., Modular structure of the trigger factor required for high activity in protein folding, <i>J. Mol. Biol.</i> , 1997, Vol. 271 (5), pages 827 to 837
Arie JP. Et al., Chaperone function of FkpA, a heat shock prolyl isomerase, in the periplasm of <i>Escherichia coli</i> , <i>Mol. Microbiol.</i> , 2001 Vol. 39 (1), pages 199 to 210
Ratajczak T. et al., The cyclophilin component of the unactivated estrogen receptor contains a tetratricopeptide repeat domain and shares identity with p59 (FKBP59), <i>J. Biol. Chem.</i> , 1993, Vol. 268 (18), pages 13187 to 13192
Pirkel F. et al., Functional analysis of the HsP90-associated human peptidyl prolyl cis/trans isomerases FKBP51, FKBP52 and Cyp40, <i>J. Mol. Biol.</i> , 2001, Vol. 308 (4), pages 795 to 806
Ramm K. et al., The periplasmic <i>Escherichia coli</i> peptidylprolylcis, trans-isomerase FkpA. II. Isomerase-independent chaperone activity in vitro, <i>J. Biol. Chem.</i> , 2000, Vol. 275 (22), pages 17106 to 17113

The present Information Disclosure Statement is being filed no later than three months from the application's filing date and before the mailing date of the first Office Action on the merits and therefore, no Statement under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) and MPEP 609 for foreign language documents, Applicants note that JP 9-220092 is discussed on page 2 of the specification, and a corresponding English language abstract thereof is also enclosed herewith.

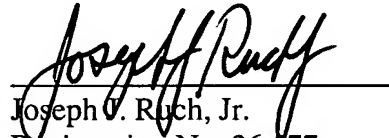
Also in compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) and MPEP 609 for foreign language documents, Applicants note that JP 6-327489 (corresponding to EP 0 544 293), JP 6-319549 (corresponding to EP 0 450 386), and JP 9-262093 are discussed on page 3 of the specification, and corresponding English language abstracts thereof are also enclosed herewith.

INFORMATION DISCLOSURE STATEMENT
U.S. Appln. No.: 10/511,098

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



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23373

CUSTOMER NUMBER

Date: January 5, 2005

Substitute for Form 1449 A & B/PTO <u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u> <i>(use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/511,098
				Confirmation Number	9139
				Filing Date	October 07, 2004
				First Named Inventor	Akira IDENO
				Art Unit	1646
				Examiner Name	Not yet assigned
Sheet 1 of 1				Attorney Docket Number	Q83564

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code ² (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)			
		JP	9-220092		08-26-1997	TOSOH CORP.	Abstract
		JP	6-327489		11-29-1994	BOEHRINGER MANNHEIM GMBH	Abstract
		JP	6-319549		11-22-1994	SYNERGEN INC.	Abstract
		JP	9-262093		10-07-1997	TAKEDA CHEM. IND. LTD.	Abstract
		EP	0 544 293	A2	06-02-1993	BOEHRINGER MANNHEIM GMBH	Abstract
		EP	0 450 386	A2	10-09-1991	SYNERGEN INC.	Abstract

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation ⁶

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to indicate here if English language Translation is attached.